

इंटरनेट

मानक

### Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 6641 (1985): wooden disc for tents [CED 9: Timber and Timber Stores]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



BLANK PAGE



*Indian Standard*  
SPECIFICATION FOR  
WOODEN DISC FOR TENTS  
( *First Revision* )

UDC 685.531.054 ( 674.7 )



© Copyright 1985

**INDIAN STANDARDS INSTITUTION**  
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG  
NEW DELHI 110002,

# *Indian Standard*

## SPECIFICATION FOR WOODEN DISC FOR TENTS ( *First Revision* )

Timber Stores Sectional Committee, BDC 33

*Chairman*

DR A. N. NAYER  
C-59 Inderpuri, New Delhi

***Members***

SHRI PRAKASH AGARWAL  
SHRI Y. P. ANAND  
SHRI K. B. GOYAL ( *Alternate* )  
SHRI S. K. CHANDA  
DR AKASH CHANDRA

DR SATISH KUMAR ( *Alternate* )  
SHRI S. N. DHIR

SHRI P. S. GOPINATH  
SURVEYOR OF WORKS II (NZ) ( *Alternate* )

SHRI D. P. GHOSH  
SHRI NIRMAL SINGH ( *Alternate* )  
SHRI SATYA NARAIN GARG

SHRI SURESH NARAIN GARG ( *Alternate* )  
INDUSTRIAL ADVISER  
Directorate General of Technical Development,  
New Delhi

SHRI P. V. MEHTA ( *Alternate* )  
SHRI M. L. JAIN  
SHRI P. K. JAIN ( *Alternate* )  
Satna Timbers, Kanpur

SHRI P. N. MEHROTRA  
SHRI NARENDA MEHROTRA ( *Alternate* )  
SHRI S. K. NAG  
SHRI S. N. SANYAL  
Rakha Timber Co, Calcutta  
Forest Research Institute & Colleges ( Timber  
Mechanics Branch ), Dehra Dun  
Ministry of Defence ( R & D )

SHRI M. B. SINGH  
SHRI U. B. KANCHAN ( *Alternate* )

***Representing***

Wood Preservers (P) Ltd, Nagpur  
Railway Board ( Ministry of Railways )

The Industrial Wood Works ( Pvt ) Ltd, Calcutta  
Forest Research Institute and Colleges ( Wood  
Seasoning Branch ), Dehra Dun

In personal capacity ( 159-E, *Rajpur Road,*  
*Dehra Dun* )

Central Public Works Department, New Delhi

Ministry of Defence ( DGI )

Govind Narain & Brothers, Kanpur

Directorate General of Technical Development,  
New Delhi

Jaynes Cheap Stores Supply Co, Delhi

Satna Timbers, Kanpur

Rakha Timber Co, Calcutta  
Forest Research Institute & Colleges ( Timber  
Mechanics Branch ), Dehra Dun  
Ministry of Defence ( R & D )

( *Continued on page 2* )

© Copyright 1985

INDIAN STANDARDS INSTITUTION

This publication is protected under the *Indian Copyright Act* ( XIV of 1957 ) and reproduction in whole or in part by any means except with written permission of the publisher shall be deemed to be an infringement of copyright under the said Act.

*( Continued from page 1 )*

*Members*

SHRI SHARAN SINGH

SO1/E3ES,

SO2/E3ES ( *Alternate* )

SHRI G. RAMAN,

Director ( Civ Engg )

*Representing*

Directorate General of Supplies and Disposals,  
New Delhi

Directorate General of Border Roads, New Delhi

Director General, ISI ( *Ex-officio Member* )

*Secretary*

SHRI P. SATYANARAYANA

Assistant Director ( Civ Engg ), ISI

# *Indian Standard*

## SPECIFICATION FOR WOODEN DISC FOR TENTS

### ( *First Revision* )

#### 0. FOREWORD

**0.1** This Indian Standard ( First Revision ) was adopted by the Indian Standards Institution on 28 February 1985, after the draft finalized by the Timber Stores Sectional Committee had been approved by the Civil Engineering Division Council.

**0.2** This standard was originally published in 1972 to provide guidance to the manufacturer of timber accessories mainly for Defence Services and inspection agencies of timber stores, etc. In this revision a separate clause about the criteria of conformity and sample sizes for various lots have been added.

**0.3** Wooden disc for tents is a tentage accessory and is used for avoiding damage to the top of the tent. For this purpose, the spike of the standing pole passes through the disc hole, thereby enabling the disc to rest on the top of the pole.

**0.4** For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS : 2-1960\*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

---

#### 1. SCOPE

**1.1** This standard covers the requirement of wooden disc for use with various tents.

#### 2. TERMINOLOGY

**2.1** For the purpose of this standard, the definitions given in IS : 707-1976† shall apply.

---

\*Rules for rounding off numerical values ( revised ).

†Glossary of terms applicable to timber technology and utilization ( second revision ).

### 3. MATERIALS

**3.1 Timber** — Any of the species of timber given in Appendix A shall be used for the manufacture of the disc.

**3.1.1** The blank shall be well seasoned to a moisture content not exceeding 15 percent and shall be free from centre heart ( pith ), sapwood ( except in timber Haldu, kaim and Kanju ) any kind of decay ( rot ), insect attack, knots, splits and cracks ( except hair cracks ).

**3.2** Shellac varnish shall conform to IS : 347-1975\* or lacquar cellulose shall conform to IS : 349-1955†.

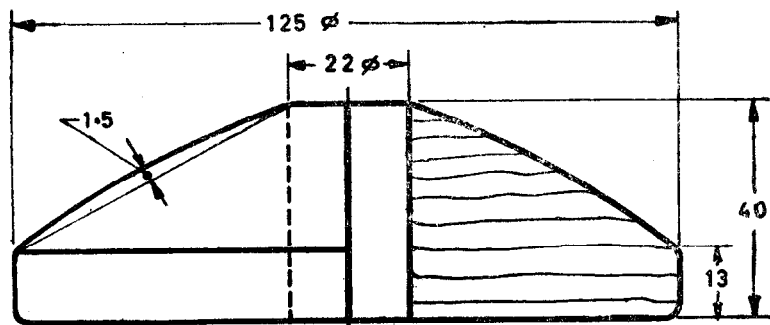
**3.3 Copper Naphthenate** — shall conform to IS : 1078-1957‡.

**3.4** Petroleum hydrocarbon solvent 60/80 shall conform to IS : 1745-1975§.

### 4. MANUFACTURE

**4.1** The disc shall be turned to the shape and design as shown in Fig. 1.

**4.2** The hole shall be neatly and centrally drilled as shown in Fig. 1.



Edge to be rounded off

All dimensions in millimetres.

FIG. 1 WOODEN DISC

### 5. DIMENSIONS AND TOLERANCES

**5.1** The disc shall conform to the dimensions as shown in Fig. 1.

\*Specification for varnish shellac for general purposes.

†Specification for nitrocellulose lacquere.

‡Specification for copper naphthenate.

§Specification for petroleum hydrocarbon solvents ( second revision ).



**5.2** Normal manufacturing tolerances shall be permissible on all dimensions.

## 6. TREATMENT

**6.1** The discs, if manufactured from the timbers Haldu, Kanju or Kaim, shall be treated by dipping for 15 seconds in the 10 percent solution of copper naphthenate in petroleum hydrocarbon.

## 7. WORKMANSHIP AND FINISH

**7.1** The discs shall be finished smooth all over by using sand-paper and shall be properly varnished or lacquered.

## 8. SAMPLING

**8.1** In any consignment all the discs shall be grouped together to constitute a lot.

**8.2** The number of discs to be selected at random from a lot shall depend upon its size and shall be in accordance with col 1 and 2 of Table 1.

**TABLE 1 SAMPLE SIZE AND CRITERION FOR CONFORMITY**

LOT SIZE	SAMPLE SIZE	PERMISSIBLE No. OF DEFECTIVE DISCS
(1)	(2)	(3)
Up to 300	6	0
301 to 500	7	0
501 to 800	8	0
801 and above	10	1

**8.3** The samples selected as 8.2 shall be tested for moisture content dimensions and workmanship and finish.

**8.4 Criteria for Conformity** — The lot from which the samples are drawn according to Table 1, if found conforming to the requirements of the standard, shall be visually inspected for visual defects, workmanship and finish. Any disc failing to satisfy the requirements for these characteristics shall be rejected. These discs, which pass the visual examination shall be accepted.

## 9. MARKING

**9.1** Each disc shall be legibly and indelibly marked with the manufacturer's name, initial or recognised trade-mark and the year of manufacture.

**9.1.1 Each disc may also be marked with the ISI Certification Mark.**

NOTE— The use of the ISI Certification Mark is governed by the provisions of the Indian Standards Institution (Certification Marks) Act and the Rules and Regulations made thereunder. The ISI Mark on products covered by an Indian Standard conveys the assurance that they have been produced to comply with the requirements of that standard under a well-defined system of inspection, testing and quality control which is devised and supervised by ISI and operated by the producer. ISI marked products are also continuously checked by ISI for conformity to that standard as a further safeguard. Details of conditions under which a licence for the use of the ISI Certification Mark may be granted to manufacturers or processors, may be obtained from the Indian Standards Institution.

**APPENDIX A**

( Clause 3.1 )

**SPICES OF TIMBER**

<i>BOTANICAL NAME</i>	<i>STANDARD TRADE NAME</i>
<i>Acacia arabica</i> Willd.	Babul
<i>Adina cordifolia</i> Hook.	Haldu
<i>Antocarpus chaplasha</i> Roxb.	Chaplash
<i>Artocarpus heterophyllus</i> Lamk.	Kathal
<i>Artocarpus hirsuta</i> Lamk.	Aini
<i>Dalbergia sissoo</i> Roxb.	Sissoo
<i>Diospyros</i> spp.	Bony
<i>Gmebna arborea</i> Roxb.	Gamari
<i>Crawia tileacfdia</i> Vohl.	Dhaman
<i>Holoptilea integrifolia</i> Pleach.	Kanju
<i>Legerstroemia lanceolata</i> Wall.	Benteak
<i>Mitragyana parvifolia</i> Kerth.	Kaim
<i>Toona cibata</i> Roem.	Toon



# INDIAN STANDARDS INSTITUTION

## Headquarters:

**Manak Bhavan, 9 Bahadur Shah Zafar Marg, NEW DELHI 110002**

**Telephones: 33 10 131, 33 11 375**

**Telegrams: Manakanstha**

**( Common to all Offices )**

## Regional Offices:

*Telephone*

\*Western : Manakalaya, E9 MIDC, Marol, Andheri ( East ), BOMBAY 400093 6 32 92 95

†Eastern : 1/14 C.I.T. Scheme VII M, V.I.P. Road, Maniktola, CALCUTTA 700054 36 24 99

Southern : C.I.T. Campus, MADRAS 600113 41 24 42

Northern : B69 Phase VII, Industrial Focal Point, S.A.S. NAGAR 160051 ( Punjab ) 8 73 28

## Branch Offices:

'Pushpak', Nurmohamed Shaikh Marg, Khanpur, AHMADABAD 380001 { 2 63 48  
2 63 49

'F' Block, Unity Bldg, Narasimharaja Square, BANGALORE 560002 22 48 05

Gangotri Complex, Bhadbhada Road, T. T. Nagar, BHOPAL 462003 6 27 16

22E Kalpana Area, BHUBANESHWAR 751014 5 36 27

5-3-56C L. N. Gupta Marg, HYDERABAD 500001 22 10 83

R14 Yudhister Marg, C Scheme, JAIPUR 302005 6 98 32

117/418 B Sarvodaya Nagar, KANPUR 208005 4 72 92

Patilputra Industrial Estate, PATNA 800013 6 23 05

Hantex Bldg ( 2nd Floor ), Rly Station Road, TRIVANDRUM 695001 82 27

## Inspection Office ( With Sale Point ):

Institution of Engineers ( India ) Building, 1332 Shilvaji Nagar, PUNE 411005 5 24 35

\*Sales Office in Bombay is at Novelty Chambers, Grant Road, Bombay 400007 89 65 28

†Sales Office in Calcutta is at 5 Chowringhee Approach, P.O. Princep Street, Calcutta 700072 27 68 00

**AMENDMENT NO. 1    JUNE 1991**  
**TO**  
**IS 6641 : 1985 SPECIFICATION FOR**  
**WOODEN DISC FOR TENTS**

( *First Revision* )

( *Page 6, Appendix A* ) — Substitute the following for the existing appendix :

**‘A P P E N D I X    A**

( *Clause 3.1* )

**SPECIES OF TIMBER**

<i>BOTANICAL NAME</i>	<i>STANDARD TRADE NAME</i>
Acacia arabica	Babul
Adina cordifolia	Haldu
Artocarpus chaplasha	Chaplash
Artocarpus heterophyllus	Kathal
Artocarpus hirsuta	Aini
Dalbergia sissoo	Sissoo
Diospyros spp.	Ebony
Gmelina arborea	Gamari
Grewia tiliifolia	Dhaman
Holoptelea integrifolia	Kanju
Lagerstroemia lanceolata	Benteak
Mitragyna parvifolia	Kaim
Toona ciliata	Toon

( CED 33 )

---

Printed at Progressive Printers, Delhi, India